Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/07/2019 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123706	-2	2.22	123817	2.23
Blue	F	SSC	125000	122429	-3	3.92	123317	3.91
Blue	E	FITC	16694	16127	-4	3.91	374	22.12
Blue	D	PE	32792	32123	-3	3.20	707	16.12
Blue	B	PerCP-Cy5-5	44451	43987	-2	4.81	1206	23.57
Blue	A	PE-Cy7	33645	33360	-1	7.06	594	48.92
Red	C	APC	47008	46747	-1	3.15	1803	13.26
Red	A	APC-Cy7	32298	31916	-2	2.99	799	14.06
Violet	B	V450	8961	8571	-5	4.45	472	14.86
Violet	A	V500	32726	31373	-5	4.18	754	11.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20155	4.64	606	-7	N/A	N/A	Pass
Blue	F	SSC	55371	3.31	574	6	N/A	N/A	Pass
Blue	E	FITC	61	72.32	562	-1	0.0151	110	Pass
Blue	D	PE	140	57.39	566	0	0.1402	310	Pass
Blue	B	PerCP-Cy5-5	221	58.50	671	0	0.0071	80	Pass
Blue	A	PE-Cy7	119	116.36	726	0	0.0086	14	Pass
Red	C	APC	414	28.43	610	-3	0.0199	152	Pass
Red	A	APC-Cy7	196	31.31	582	-3	0.0046	867	Pass
Violet	B	V450	71	68.76	484	-2	0.0381	1875	Pass
Violet	A	V500	108	39.54	494	-2	0.0183	968	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.47	-31.98	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.22	13.60 - 20.40	N/A	N/A	29.19	29.65	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14252

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments